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## **4,7-DICHLOROFLUORESC EIN DYES AS MOLECULAR PROBES**

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### **Abstract of the Disclosure**

15 Long wavelength, narrow emission bandwidth fluorecein dyes are provided for detecting specially overlapping target substances. The dyes comprise 4,7-dichlorofluoresceins, and particularly 2',4',5',7'-tetrachloro-4,7-dichloro-5- (and 6-) carboxyfluoresceins. Methods and kits for using the dyes in DNA analysis are provided.